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LLNL-JRNL-403436

Erratum: 'Geometrical Properties of a "Snowflake" Divertor.'

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May 2, 2008

Physics of Plasmas

Disclaimer

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There are several typographical errors in Ref. [1]. The correct version of Eqs. (4) and (5) is:

$$\hat{B}_x = 1 - \frac{I_d}{I}\frac{4ab}{4b^2+d^2} + \frac{z}{a}\left[1 + 4\frac{I_d}{I}\frac{a^2\left(4b^2-d^2\right)}{\left(4b^2+d^2\right)^2}\right] + \frac{z^2-x^2}{a^2}\left[1 - 16\frac{I_d}{I}\frac{a^3 b\left(4b^2-3d^2\right)}{\left(4b^2+d^2\right)^3}\right]; \quad (4)$$

$$\hat{B}_z = \frac{x}{a}\left[1 + 4\frac{I_d}{I}\frac{a^2\left(4b^2-d^2\right)}{\left(4b^2+d^2\right)^2}\right] + \frac{2xz}{a^2}\left[1 - 16\frac{I_d}{I}\frac{a^3 b\left(4b^2-3d^2\right)}{\left(4b^2+d^2\right)^3}\right]. \quad (5)$$

A correct version of Eqs. (7) and (8) is:

$$\hat{B}_x = -\varepsilon - \varepsilon\frac{z}{a} + \frac{z^2-x^2}{2ab}\frac{a+b}{b} \quad (7)$$

$$\hat{B}_z = -\varepsilon\frac{x}{a} + \frac{xz}{ab}\frac{a+b}{b} \quad (8)$$

These errors do not propagate to numerical estimates, graphs and final conclusions.

Work performed for the U.S. Department of Energy by Lawrence Livermore National Laboratory under Contract DE-AC52-07NA27344.

1. D.D. Ryutov. Phys. Plasmas, **14**, 064502 (2007).